	WORK INSTRUCTION	
Title:	Replacement or Inspection or Measurements of Inner Contain Vessel (ICV) Honeycomb Spacers	ment
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Appr	roved for Use by: Mehae R 3/7/2005 Effective Date: N	larch 2005
Appli •	licable Drawings: 2077-500SNP (Sheets 3 and 6) - TRUPACT-II Packaging SARP Dr 707-SAR (Sheet 3) - HalfPACT Packaging SARP Drawings	awings
SARI •	RP Requirements: Spacers are to be replaced if damaged and must be removed prior performance of the visual and liquid penetrant inspection requiremental Chapter 8.0, Para. 8.2.1.	
Tools	Is Required: 2 ICV Lid Stands ICV Work Platform Outer Containment Assembly (OCA) Work Platform OCA Lid Stand 8-ft Level 2 Tape Measures Lower Spacer Lifting Slings Step Ladder Lift Fixture Crane	
•	Calibrated Torque Wrench with Flat Blade 3/8-in. tip with Screwdrive	er Socket
Spar □ □	re Parts Required: Upper Honeycomb Spacer (PN 2077-053A1) Lower Honeycomb Spacer (PN 2077-053A2)	
Uppe •	er Spacer: 6 each, round head screws 1/4-in. x 20 UNC x 3/4-in. long (PN 207	7-180-20)
NOT	FE : Pan head screws may also be used.	
•	U-type Fasteners (PN 2077-180-23) Flat Washer Stainless Steel 5/16-in. nominal (PN 2077-180-6) and/owashers (McMaster #90130A040)	or rubber
Lowe	er Spacer with round, countersunk holes: 6 each, flat head screws 1/4-in. x 20 UNC x 3/4-in. long (PN 2077-1 U-type Fasteners (PN 2077-180-23) Flat Washer Stainless Steel 5/16-in. nominal (PN 2077-180-6) and/washers (McMaster #90130A040)	,
Lowe	er Spacer with slotted holes: 6 each, round head screws 1/4-in. x 20 UNC x 3/4-in. long (PN 207' U-type Fasteners (PN 2077-180-23) Flat Washer Stainless Steel 5/16-in. nominal (PN 2077-180-6) and/washers (McMaster #90130A040)	,

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Mate	 Materials Required: Double-sided Adhesive Tape (PN 2077-180-26) Denatured Alcohol or equivalent Lint-free Rags Loctite #222 Thread Locking Compound or Equivalent Torque paint 					
Safe •	Safety Requirements: Safety will be observed in accordance with site requirements.					
Prerequisite Conditions: The ICV lid with spacer installed must be on a stand.						
1.0 2.0 3.0	ruction Steps: This work instruction is not required to be attached to the M Record, but may be used as a checklist during performance of This work instruction may be performed with the ICV body instruction but will normally be performed with the ICV body in the proper The upper and lower spacers may be replaced independently; sequence of work steps may be performed as conditions allow	f maintenance. talled in the OCV, work stand. therefore,				
	Upper Spacer Removal					
1.0 2.0 3.0 4.0 5.0	Remove the 6 screws and store for possible future use. Using appropriate lift fixture, raise lid to clear the spacer and pempty stand. Inspect the U-type fasteners for thread or other visible damage discard. Replace fasteners using double-sided tape to hold in Inspect the surface plate of the spacer for damage such, as depunctures. If damage is found, notify CH Packaging Maintenance Engineeresolution.	e, and if damaged, place. eep gouges or				
	Upper Spacer Inspection					
CAUTION : The spacer weighs nearly 100 lb. Two or more personnel should be used to handle the spacer. Leather gloves should be worn to prevent hand injuries.						
1.0 2.0	Remove the spacer from the stand and place on a flat surface to damage the plate. Inspect for cracked, torn, missing, or bent ICV brackets. GO 7 repair.					
3.0 4.0	Inspect honeycomb for corrosion or crushing. Notify CHME for Inspect screw holes and cutout locations for obvious dents, teatother damage. Notify CHME for resolution.					

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	Upper Spacer Installat	ion or Replacement		
1.0 2.0 3.0		n empty ICV lid stand. be on U-type fasteners. h holes in the U-type fasteners a	and attach with double-	
4.0 5.0 6.0	bolt holes in spacer are	oport brackets. I and lower into position over space aligned with the holes in the lic thread or head damage. If dam	l brackets.	
7.0 8.0	replace.	ite 222 and install screws.	agoa, alcoara arra	
9.0 10.0		I of torque paint from screw head ure in accordance with manufac		
	Lower Spacer Remova	al		
1.0	attachment points.	ssel to allow personnel to acces	·	
2.0 3.0 4.0 5.0	Attach lifting slings (with Remove the 6 screws	oval device to an overhead crand th the legs 120° apart) to the spa and store for possible future use d remove ladder from vessel.	acer.	
CAUTION: Leather gloves should be worn to prevent hand injury.				
6.0	Slowly raise the space with the surface plate of	r out of the cavity, move to a deadown.	signated area and place	
	Lower Spacer Inspecti	on		
1.0	measurements can be	itally across the dome and cente taken from both ends (Attachme t both ends are approximately a	ent 1, Figure A).	
NOT	E: The measurements exactly the same.	s performed in step 3.0 at both e	nds of the level shall be	
3.0	the bottom edge of the Record measurement	re both ends from the honeycon level. (See Attachments 1and and packaging serial number on	2). Attachment 2.	
5.0 6.0		less than 11-in., notify (CHME) f rn, missing, or bent ICV brackets		
7.0 8.0	Inspect honeycomb for	r corrosion or crushing. Notify C nd cutout locations for obvious d CHME for resolution.		

- Work performed is described on Maintenance Record.
- Work instruction is listed on Maintenance Record.
- Data sheet (Work Instruction CH.13, Attachment 2) is attached to Maintenance Record.

ATTACHMENT 1, FIGURES

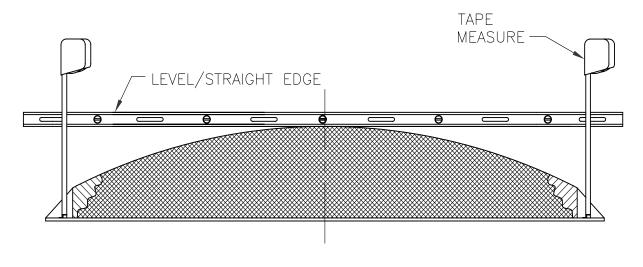


FIGURE A

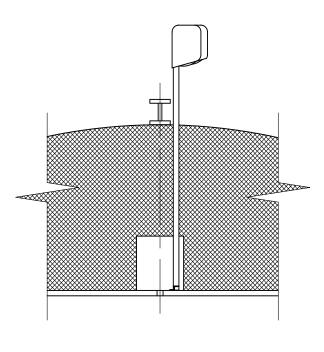
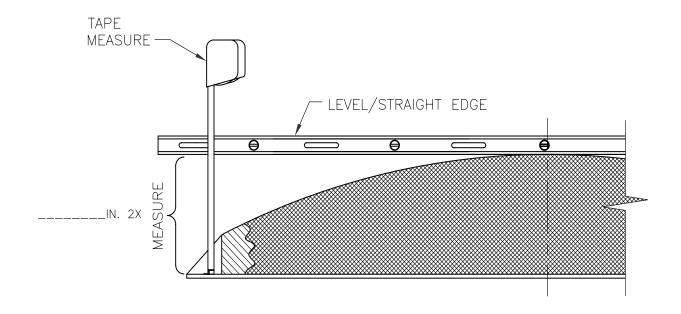


FIGURE B

ATTACHMENT 2, DATA SHEET

LOWER SPACER MEASUREMENTS

IF MEASUREMENT IS LESS THAN 11", NOTIFY THE CH PACKAGING MAINTENANCE ENGINEER (CHME). IF ANY CORROSION OR CRUSHING OF THE HONEYCOMB IS OBSERVED, NOTIFY THE CHME FOR EVALUATION.



PACKAGING SERIAL NUMBER:	JOB NUMBER:	
QA:	DATE:	